AMENDMENTS TO THE CLAIMS:

If entered, this listing of claims will replace all prior

versions and listings of claims in the application.

Listing of Claims:

1-20. (Canceled)

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21. (Currently Amended) A computer system for supervision

and operation of a semiconductor facility, said system

comprising:

     a plurality of processing tools;

5   a manufacturing execution system to control said

processing tools and to track manufacturing data;

     a plurality of user set-up functions to selectively

transfer user data from a plurality of users to said

manufacturing execution system and to selectively transfer

10   said manufacturing data from said manufacturing execution

system to said users; and

     a user interface function to translate said

manufacturing data prior to said transfer to said users and

to translate said user data from said users prior to said

15   transfer to said manufacturing execution system <u>wherein</u>

<u>said user interface function is further capable of</u>

<u>detecting faulty entries in said user data.</u>

22. (Canceled)

23. (Previously Presented) The system according to Claim 21

wherein one of said users is a numerically controlled tool.

24. (Previously Presented) The system according to Claim 21

wherein said user set-up function is capable of selecting a

specific said processing tool.

25. (Previously Presented) The system according to Claim 24

wherein said user set-up function is capable of tracking an

operational mode of said selected processing tool.

26. (Previously Presented) The system according to Claim 21

wherein said manufacturing data further comprises the

results of statistical analysis of said manufacturing data.

27. (Currently Amended) A method of supervision and

operation of a semiconductor facility, said method

comprising:

providing a plurality of processing tools;

5   providing a computer system comprising:

a manufacturing execution system to control said

processing tools and to track manufacturing data;

a plurality of user set-up functions to

selectively transfer user data from a plurality of

10   users to said manufacturing execution system and to

selectively transfer said manufacturing data from said

manufacturing execution system to said users; and

a user interface function to translate said

manufacturing data prior to said transfer to said

15   users and to translate said user data from said users

prior to said transfer to said manufacturing execution

system wherein said user interface function is further

capable of detecting faulty entries in said user data;

and

20   monitoring said processing tool through said computer

system.

28. (Canceled)

29. (Previously Presented) The method according to Claim 27

wherein one of said users is a numerically controlled tool.

30. (Previously Presented) The system according to Claim 27 wherein said user set-up function is capable of selecting a specific said processing tool.

31. (Previously Presented) The system according to Claim 30 wherein said user set-up function is capable of tracking an operational mode of said selected processing tool.

32. (Previously Presented) The system according to Claim 31 wherein said manufacturing data further comprises the results of statistical analysis of said manufacturing data.